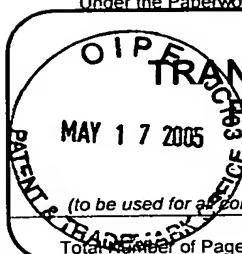


05-1 JC06 Rec'd PCT/PTO 17 MAY 2005 #4

Approved for use through 07/31/2006, OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

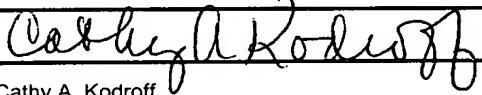
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

 <p><b>TRANSMITTAL FORM</b> MAY 17 2005 (to be used for all correspondence after initial filing)</p>		Application Number	10/510,947
		Filing Date	October 28, 2004
		First Named Inventor	Wilson et al
		Art Unit	
		Examiner Name	
Total Number of Pages in This Submission	16	Attorney Docket Number	UPN-O2811USA

**ENCLOSURES (Check all that apply)**

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached  <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input checked="" type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="text"/> Remarks  Customer No. 00270  Express Mail No. ED226745333US		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	HOWSON AND HOWSON		
Signature			
Printed name	Cathy A. Kodroff		
Date	MAY 17, 2005	Reg. No.	33,980

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature			
Typed or printed name		Date	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Effective on 12/08/2004.

Fee is subject to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL

MAY 17 2005 FOR FY 2005

Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** (\$)

65.00

Complaint Known

Application Number	10/510,947
Filing Date	October 28, 2004
First Named Inventor	Wilson et al
Examiner Name	
Art Unit	
Attorney Docket No.	UPN-O2811USA

COPY

### METHOD OF PAYMENT (check all that apply)

Check  Credit Card  Money Order  None  Other (please identify): \_\_\_\_\_

Deposit Account Deposit Account Number: 08-3040 Deposit Account Name: HOWSON AND HOWSON

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below  Charge fee(s) indicated below, except for the filing fee

Charge any additional fee(s) or underpayments of fee(s)  Credit any overpayments  
under 37 CFR 1.16 and 1.17

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

### FEE CALCULATION

#### 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity	Fee (\$)	Small Entity	Fee (\$)	Small Entity	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

#### 2. EXCESS CLAIM FEES

##### Fee Description

		Small Entity
	Fee (\$)	Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims
- 20 or HP =	x	=		Fee (\$)

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	
- 3 or HP =	x	=		Fee (\$)

HP = highest number of independent claims paid for, if greater than 3.

#### 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/ 50 =	(round up to a whole number) x		=

#### 4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount) Fees Paid (\$)

Other (e.g., late filing surcharge): LATE OATH OR DECLARATION SURCHARGE FEE 65.00

#### SUBMITTED BY

Signature		Registration No. 33,980 (Attorney/Agent)	Telephone 215-540-9200
Name (Print/Type)	CATHY A. KODOROFF		Date January 11, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No. : 10/510,947 Confirmation No.: 2110  
Applicant : Wilson et al  
Filed : October 28, 2004  
TC/A.U. :  
Examiner :  
Customer No. : 00270  
Title : CHIMERIC EBOLA VIRUS ENVELOPES AND USES THEREFOR

Mail Stop Missing Parts  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

REQUEST FOR WITHDRAWAL OF NOTIFICATION OF MISSING REQUIREMENTS

Sir:

This is in response to the Notice to File Missing Parts of Application under 37 CFR 1.53(b), the Notice being dated April 1, 2005.

Submitted herewith are:

- (a) a copy of the Declaration by the Applicants Wilson and Kobinger which was filed by express mail to the USPTO on January 11, 2005;
- (b) a copy of the postcard dated January 11, 2005 showing receipt by the USPTO of the Declaration in (a)
- (c) a copy of express mail receipt date stamped January 11, 2005
- (d) a copy of the Notice

Express Mail No. ED226745333US

(e) Declaration executed by Applicant Medina was filed with the original application on October 28, 2004; a copy of the stamped postcard showing receipt of Declaration executed by Medina; The surcharge was paid upon filing of the Wilson and Kobinger Declaration. Withdrawal of the Notification is hereby requested. Applicants believe the present notification was issued in error, as all outstanding requirements were completed on January 11, 2005. Please charge any deficiency in the fee to our deposit account number 08-3040.

Respectfully Submitted,  
HOWSON AND HOWSON  
Attorneys for Applicants

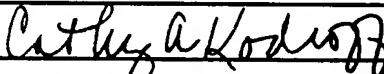
By Cathy Kodloff  
Cathy A. Kodloff  
Registration No. 33,980  
Spring House Corporate Center  
Box 457  
Spring House, PA 19477  
Phone: (215) 540-9200  
Fax: (215) 540-5818

<b>TRANSMITTAL FORM</b>		Application Number	10/510,947
(to be used for all correspondence after initial filing)		Filing Date	October 28, 2004
		First Named Inventor	Wilson et al
Total Number of Pages in This Submission		Art Unit	
		Examiner Name	
		Attorney Docket Number	UPN-02811USA

**COPY**

ENCLOSURES (Check all that apply)			
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached  <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input checked="" type="checkbox"/> Affidavits/Declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC	
	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences	
	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)	
	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information	
	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter	
	<input type="checkbox"/> Change of Correspondence Address	<input type="checkbox"/> Other Enclosure(s) (please identify below):	
	<input type="checkbox"/> Terminal Disclaimer		
	<input type="checkbox"/> Request for Refund		
	<input type="checkbox"/> CD, Number of CD(s) _____		
	<input type="checkbox"/> Landscape Table on CD		
Remarks			
Customer No. 00270			
Express Mail No. ER636323199US			

#### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	HOWSON AND HOWSON		
Signature			
Printed name	Cathy A. Kodroff		
Date	January 11, 2005	Reg. No.	33,980

#### CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature		
Typed or printed name		Date

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



# COPY

Serial No. 10/510,947 Doc. No. UPN-02811USA Atty/Sec. CAK/lb Date: 1-11-05

Inventor: Wilson et al Client: UPN

Title: Chimeric Ebola Virus Envelopes and Uses Therefor

The following has been received in the US Patent and Trademark Office on the date stamped hereon:

1 pp. Transmittal Letter  
1 pp. Fee Transmittal Letter  
3 pp. Declaration  
Check No. 22703 for \$65.00

The PATENT AND TRADEMARK OFFICE is respectfully requested to place its STAMP on this POSTAL CARD and place it in the outgoing mail..

Respectfully,  
HOWSON AND HOWSON

Express Mail No.

ER636323199US CAK

**H** HOWSON & HOWSON  
SPRING HOUSE CORPORATE CENTER  
P.O. BOX 457  
SPRING HOUSE, PA 19477  
(215) 540-9200

WACHOVIA BANK, NA  
SPRING HOUSE, PA  
3-50/310

22703

1/11/2005

TO THE DIRECTOR OF THE USPTO

\$ \*\*65.00

Sixty-Five and 00/100\*\*\*\*\*

DOLLARS

10/510,947 UPN-02811USA

\*\*022703\*\* 03100050302040045078534\*\*

**FLAT RATE ENVELOPE**  
FLAT RATE POSTAGE  
REGARDLESS OF WEIGHT  
DOMESTIC USE ONLY

**EXTREMELY URGENT** Please Rush To Addressee

CALL 1-800-222-1811 FOR PICKUP OR TRACKING OF ALL YOUR PACKAGES



ER 6363233199 US

**\$13.650**  
US POSTAGE  
EXPRESS  
062S0005318074  
19002  
RED  
ONLY  
209994396.023



**COPY**

**Mailing Label**  
Label 11-B September 2002

**Post Office To Addressee**



**UNITED STATES POSTAL SERVICE**

**DELIVERY (POSTAL USE ONLY)**

Delivery Attempt Time Employee Signature

Mo. Day Delivery Attempt Time Employee Signature

Mo. Day Delivery Date Time Employee Signature

Mo. Day Time Employee Signature

Mo. Day Time Employee Signature

**CUSTOMER USE ONLY**

PAYMENT BY ACCOUNT

Express Mail Corporate Acct. No.

Federal Agency Acct. No. or

Postal Service Acct. No.

**WAIVER OF SIGNATURE (Domestic Only)**  
Additional insurance coverage is void if waiver  
of signature is requested.  
Delivery to be made without obtaining signature  
of addressee or addressee's agent if delivery employee  
suspects that article can be left in secure location and  
authorizes that delivery employee's signature constitutes  
valid proof of delivery.

**FROM: (PLEASE PRINT)** PHONE (215) 540-9200 LB  
HOWSON AND HOWSON  
Box 457  
Spring House, PA 19477  
UPN-02811USA

**TO: (PLEASE PRINT)** PHONE ( )  
Commissioner for Patents  
Box 1450  
Alexandria, VA 22313-1450

**many**  
ox.

**by**

**FOR PICKUP OR TRACKING CALL 1-800-222-1811**  
**www.usps.com**  
PRESS HARD. You are making 3 copies.

02/03

7 af  
7 af  
7 af

2 2 3 1 3 + 1 4 5 0  
ZIP - 4

7 af  
7 af  
7 af

6.

This packaging is the property of the U.S. Postal Service and is provided solely for use in sending Express Mail. Misuse may be a violation of federal law.



COPY

Serial No. 10/510,947 Doc. No. UPN-O2811USA Atty/Sec. CAK/lb Date: 1-11-05

Inventor: Wilson et al

Client: UPN

Title: Chiméric Ebola Virus Envelopes and Uses Therefor

The following has been received in the US Patent and Trademark Office on the date stamped hereon:

1 pp. Transmittal Letter  
1 pp. Fee Transmittal Letter  
3 pp. Declaration  
Check No. 23703 for \$65.00

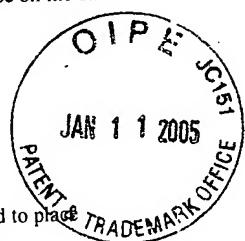
The PATENT AND TRADEMARK OFFICE is respectfully requested to place its STAMP on this POSTAL CARD and place it in the outgoing mail..

Respectfully,  
HOWSON AND HOWSON

Express Mail No.

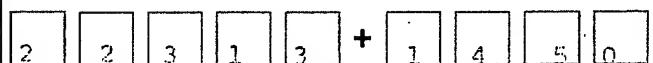
CAK

ER636323199US





COPY

 ER 636323199 US			<b>Customer Copy</b> <small>Label 11-B September 200</small>		
 <b>UNITED STATES POSTAL SERVICE®</b>					
<b>Post Office To Addressee</b>					
<b>DELIVERY (POSTAL USE ONLY)</b>					
ORIG. ZIP: <i>19477</i>		Day of Delivery <input type="checkbox"/> Next <input type="checkbox"/> Second <input type="checkbox"/>		Flat Rate Envelope <input type="checkbox"/>	
Date In <i>11 JUN 2005</i>		<input type="checkbox"/> 12 Noon <input type="checkbox"/> 3 PM		Postage <i>\$ 13.65</i>	
Time In <i>1615</i>		<input type="checkbox"/> AM <input type="checkbox"/> PM		Return-Receipt Fee <input type="checkbox"/> 2nd Day <input type="checkbox"/> 3rd Day	
Weight <i>5 lbs</i>		Int'l Alpha Country Code <i>025</i>		COD Fee <i>\$</i>	Insurance Fee <i>\$</i>
No Delivery <input type="checkbox"/> Weekend <input type="checkbox"/> Holiday		Acceptance Clerk Initials <i>540-9200 T.R.</i>		Total Postage & Fees <i>13.65</i>	
<b>FROM: (PLEASE PRINT)</b> <i>HOWSON AND HOWSON</i> PHONE (215) <i>540-9200</i> T.R. HOWSON AND HOWSON Box 457 Spring House, PA 19477  UPN <i>1811USA</i>					
<b>TO: (PLEASE PRINT)</b> <i>Commissioner for Patents</i> PHONE ( <i>22313-1450</i> ) Box 1450 Alexandria, VA 22313-1450					
<b>CUSTOMER USE ONLY</b>					
<b>PAYMENT BY ACCOUNT</b> Express Mail Corporate Acct. No. <i>1234567890</i>					
<b>WAIVER OF SIGNATURE (Domestic Only)</b> <small>Additional merchandise insurance is void if waiver of signature is requested.</small> <small>I wish delivery to be made without obtaining signature of addressee or addressee's agent (if delivery employee judges that article can be left in secure location) and I authorize that delivery employee's signature constitutes valid proof of delivery.</small>					
<b>NO DELIVERY</b> <input type="checkbox"/> Weekend <input type="checkbox"/> Holiday					
Customer Signature					
<b>FOR PICKUP OR TRACKING CALL 1-800-222-1811</b> <b>www.usps.com</b>  PRESS HARD. You are making 3 copies.					
ZIP + 4 					

COPY



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/510,947	James M Wilson	UPN-02811USA

Howson and Howson  
 P O Box 457  
 Springhouse, PA 19477

ENTERED  
 DUE 04/01/05

INTERNATIONAL APPLICATION NO.

PCT/US03/11494

I.A. FILING DATE	PRIORITY DATE
04/28/2003	04/30/2002

CONFIRMATION NO. 2110

371 FORMALITIES LETTER



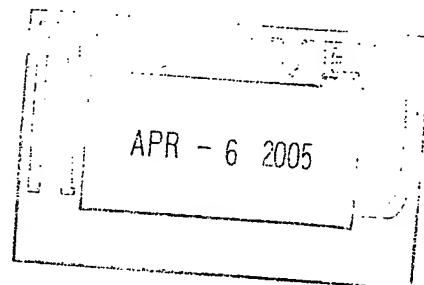
\*OC000000015599172\*

Date Mailed: 04/01/2005

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Indication of Small Entity Status
- Copy of the International Application filed on 10/28/2004
- Copy of the International Search Report filed on 10/28/2004
- Copy of IPE Report filed on 10/28/2004
- Preliminary Amendments filed on 10/28/2004
- Information Disclosure Statements filed on 01/26/2005
- Biochemical Sequence Diskette filed on 10/28/2004
- Oath or Declaration filed on 10/28/2004
- Request for Immediate Examination filed on 10/28/2004
- Copy of references cited in ISR filed on 10/28/2004
- U.S. Basic National Fees filed on 10/28/2004
- Assignment filed on 10/28/2004



The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date. The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) in that it:
  - is not executed in accordance with either 37 CFR 1.66 or 37 CFR 1.68.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

COPY

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

MAMIE P PERSON

---

Telephone: (703) 308-9140 EXT 227

PART 1 - ATTORNEY/APPLICANT COPY

---

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/510,947	PCT/US03/11494	UPN-02811USA

FORM PCT/DO/EO/905 (371 Formalities Notice)

**COPY**

Rec'd PCT/PTO 28 OCT 2004

Docket No: UPN-02811USA Atty/Sec: CAK/rjd Date: 10/28/2004  
Inventor: Wilson, et al. Client: University of Pennsylvania  
Title: CHIMERIC EBOLA VIRUS ENVELOPES AND USES THEREFOR

The following has been received in the US Patent and Trademark Office on the date stamped hereon:  
3 pp. Transmittal Letter to the US Designated/Elected Office Concerning a Submission

under 35 USC 371 (original and duplicate of page 2)

106 pp. Specification [including Claims, Drawings (3 sheets) and Sequence Listing (29 sheets)]

3 pp. Declaration and Power of Attorney

5 pp. Assignment with recordal sheet

6 pp. Preliminary Amendment A

13 pp. Preliminary Amendment B

6 pp. Application Data Sheet

6 pp. PCT Request

5 pp. PCT Search Report

5 pp. PCT Demand

4 pp. IPER

Check No. 22390 for \$694.00

1 CFR and 1 pp. Sequence Statement

The Patent and Trademark Office is respectfully requested to place its stamp on this postcard and place it in the outgoing mail.

Respectfully,  
HOWSON AND HOWSON

10/109-H